



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

NATIONAL EXPOSURE TESTING, INC.
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Sylvania, OH 43560
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MECHANICAL

Valid To: October 31, 2016

Certificate Number: 1197.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on paints, coatings, and materials on components, assemblies, and fasteners within the following operational ranges:

<u>Parameter</u>	<u>Range</u>
Temperature / Relative Humidity	(-70 to 150) °C ± 1.5 °C / (0 to 100) % RH ± 3 % RH Maximum chamber dimensions – 36”x 36”x 36”
	(-40 to 150) °C ± 1.5 °C / (0 to 100) % RH ± 2 % RH Maximum chamber dimensions – 112”x 90”x 80”
Temperature	(Ambient to 220) °C Maximum chamber dimensions – 7”x 8”x 7”

Also using customer-specified methods directly related to the parameters listed above and test methods listed below.

<u>Test</u>	<u>Test Method(s)</u>
Tape Adhesion	ASTM D3359; DIN EN ISO 2409; FLTM BI 106-01; GM 9071P (<i>superseded 2012</i>) ¹ ; GMW14829; ISO 2409; Navistar CEMS GT-5A
Water Immersion	ASTM D870; Caterpillar MG1004-151; FLTM BI 104-01; HES D6501 (Sections 3.18 and 3.37); HES S84 (Section 6.7); Navistar CEMS GT-7G; TSH 1551G

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Test

Test Method(s)

Chip Resistance

ASTM D3170;
Delphi DX 900163;
GM 9508P (Method B) (*superseded 2010*)¹;
GMW14700 (Methods B and C);
HES D6501 (Section 3.33);
SAE J400;
TSH 1553G

Humidity

ASTM D1735;
ASTM D2247;
ASTM D4585;
DIN EN ISO 6270-2;
GM 4465P (*superseded 2011*)¹;
GMW3044;
GMW4700 (Label Compatibility);
GMW14729;
HES D6501 (Section 3.19);
HES S84 (Section 6.8);
Navistar CEMS GT-7E;
SAE-AMS-STD 753A (Method 101);
TSH 1505G;
ISO 6270-2

Salt Spray

ASTM B117;
DIN EN ISO 9227;
GMW3286;
FLTM BI 103-01;
HES D6001 (Section 4.3);
HES D6501 (Sections 3.15.1 and 2);
ISO 9227;
IEC 60068-2-11;
JASO M610;
JIS H8502 (Section 7.1);
JIS Z2371;
MIL-STD 810 (Method 509.6 Salt Spray);
Navistar CEMS GT-7D;
NES M0140;
TSH 1552G

20% Salt Spray

ASTM C1503

Pencil Hardness (With D3363 pencils)

ASTM D3363;
HES D6501 (Section 3.5);
HES S84 (Section 6.4);
Navistar CEMS GT-4D;
TSH 1500G

Dime Scrape

GM 9506P (*inactive 2013*)¹

Film Thickness

ASTM D7091;
FLTM BI 117-01;
ISO 2808



<u>Test</u>	<u>Test Method(s)</u>
Thumbnail Hardness	GM 9507P (<i>inactive 2011</i>) ¹
Solvent Rub	ASTM D5402; GM 9509P (<i>superseded 2012</i>) ¹ ; GMW15891; Navistar CEMS GT-14A; TSH 1551G (Section 5.2)
Cyclic Corrosion	Chrysler LP-463PB-22-01; Delphi DX900115; FLTM BI 123-01; FLTM BI 123-02; FLTM BI 123-03; Ford CETP 00.00-L-467; GM 9505P (Cycles A-O) (<i>superseded 2010</i>) ¹ ; GM 9511P (<i>superseded 2010</i>) ¹ ; GM 9540P (<i>superseded 2010</i>) ¹ ; GM 9619P (<i>superseded 2010</i>) ¹ ; GMW14124; GMW14872; GMW15288; Honda DWG.5100Z-SE0-0000 (CCT portion); Navistar CEMS GT-7D; NES M0158, CCT-I; NES M0158, CCT-IV; SAE J2334; VDA 621-415
Chipping Corrosion	Chrysler LP-463PB-52-01; Navistar CEMS GT-30
Modified Salt Fog	ASTM G85 (Annexes 1, 2, 3, 4, and 5)
C.A.S.S	ASTM B368; FLTM BQ 105-01; GMW14458; JIS H8502 (Section 7.3)
Kesternich (SO ₂)	ASTM G87; DIN 50018; Fiat 50180 (Methods D1 and D2); ISO 3231; ISO 6988
Corrodkote	ASTM B380
Cyclic Salt Fog / UV Exposure	ASTM D5894; ISO 20340 (Annex A)

<u>Test</u>	<u>Test Method(s)</u>
UV (QUV) Exposure	ASTM D4587; ASTM G151; ASTM G154; IEEE C57.12.28-2014; IEEE C57.12.31-2010; ISO 11507 (Method A); NES M0007 (Section 48 UV Method); SAE J2020
Filiform	ASTM D2803 (Procedures A-C); HES D6501 (Section 3.16.1)
Rating and Evaluation	ASTM B537; ASTM D610; ASTM D714; ASTM D1654; DIN EN ISO 4628-2; DIN EN ISO 4628-3; DIN EN ISO 4628-8; GM 8101G (<i>superseded 2009</i>) ¹ ; GM 9102P (<i>superseded 2010</i>) ¹ ; GMW15282; GMW15357; GMW15359; ISO 4628-2; ISO 4628-3; ISO 4628-4; ISO 4628-5; ISO 4628-8; ISO 10289
Temperature	Ford WSS-M2P177-A1-5 (Section 3.5.7); HES D6001 (Section 4.4.1); HES D6501 (Sections 3.20.1 and 2); TSH 1551G (Section 9)
Thermal Cycle	ASTM D6944 (Method B); Ford WSB-M1P83 (Section 3.8.2); GM 4372M (Section 3.5.2); HES D6001 (Section 4.4.4); HES D6501 (Section 3.29); Navistar CEMS GT-14C; TSH 1551G
Heat / Quench	Delphi DX551200; Delphi DX551300; GMW3044; GMW4700
pH	ASTM D1293



<u>Test</u>	<u>Test Method(s)</u>
Conductivity	ASTM D1125
Specific Gravity	ASTM D1429
Salt Water Immersion	Chrysler MS-PB1-2; Honda DWG.5100Z-SE0-0000
Visual Appearance	GMW3044; GMW4700
Handling Resistance	GMW3044; GMW4700
IEEE Scab	C57.12.28-2005; C57.12.31-2010
Dry to Touch	GMW3044; GMW4700
Corrosion Resistance	Harley-Davidson Test Flow 1 (Humidity/Salt Spray)
Gloss	ASTM D523; FLTM BI 110-01

¹ This laboratory's scope contains withdrawn, superseded, or inactive methods. As a clarifier, this indicates that the applicable method itself has been withdrawn or is now considered "historical" and not that the laboratory's accreditation for the method has been withdrawn.





Accredited Laboratory

A2LA has accredited

NATIONAL EXPOSURE TESTING INC.

Sylvania, OH

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009).



Presented this 14th day of August 2014.

A handwritten signature in black ink, reading "Peter Abney".

President & CEO
For the Accreditation Council
Certificate Number 1197.01
Valid to October 31, 2016
Revised September 9, 2015

For the tests to which this accreditation applies, please refer to the laboratory's Mechanical Scope of Accreditation.